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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/955,343	09/18/2001	Yuxiang Zhou	ART-00104.P.2	1433
24232 75	90 02/24/2004		EXAMINER	
DAVID R PRESTON & ASSOCIATES 12625 HIGH BLUFF DRIVE			CHIN, CHRISTOPHER L	
SUITE 205	LUFF DRIVE		ART UNIT	PAPER NUMBER
SAN DIEGO, (SAN DIEGO, CA 92130			
			DATE MAILED: 02/24/2004	1

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	09/955,343	ZHOU ET AL.				
Office Action Summary	Examiner	Art Unit				
	Chris Chin	1641				
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the c	correspondence address				
A SHORTENED STATUTORY PERIOD FOR REPL THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a repl - If NO period for reply is specified above, the maximum statutory period of Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be tir y within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from e, cause the application to become ABANDONE	nely filed rs will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).				
Status						
1)⊠ Responsive to communication(s) filed on <u>31 C</u>	october 2003					
	s action is non-final.					
3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under E	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
4)⊠ Claim(s) 41-66 is/are pending in the applicatio	n.					
4a) Of the above claim(s) <u>63-66</u> is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>41-62</u> is/are rejected.						
7) Claim(s) is/are objected to.						
8) \boxtimes Claim(s) <u>41-66</u> are subject to restriction and/or	r election requirement.					
Application Papers						
9) The specification is objected to by the Examine	er.					
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to the	drawing(s) be held in abeyance. Se	e 37 CFR 1.85(a).				
Replacement drawing sheet(s) including the correct	tion is required if the drawing(s) is ob	jected to. See 37 CFR 1.121(d).				
11) ☐ The oath or declaration is objected to by the Ex	kaminer. Note the attached Office	Action or form PTO-152.				
Priority under 35 U.S.C. § 119						
12)⊠ Acknowledgment is made of a claim for foreign	priority under 35 U.S.C. § 119(a)-(d) or (f).				
a)⊠ All b)□ Some * c)□ None of:						
1. Certified copies of the priority document	s have been received.					
2. Certified copies of the priority document	s have been received in Applicat	ion No. <u>09/399,299</u> .				
3. Copies of the certified copies of the prio	rity documents have been receive	ed in this National Stage				
application from the International Burea	u (PCT Rule 17.2(a)).					
* See the attached detailed Office action for a list	of the certified copies not receive	ed.				
•						
Attachment(s)						
1) Notice of References Cited (PTO-892)	4) Interview Summary					
 Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) 	Paper No(s)/Mail Di 5) Notice of Informal F	ate Patent Application (PTO-152)				
Paper No(s)/Mail Date	6) Other:	,				

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Election/Restrictions

Applicant's election without traverse of Group I – claims 41-62 in Paper No. 5 is acknowledged.

Priority

An application in which the benefits of an earlier application are desired must contain a specific reference to the prior application(s) in the first sentence of the specification of in an application data sheet (37 CFR 1.78(a)(2) and (a)(5)). The specific reference to any prior nonprovisional application must include the relationship (i.e., continuation, divisional, or continuation-in-part) between the applications except when the reference is to a prior application of a CPA assigned the same application number.

The parent application 09/399,299 must be recited in the first line of the specification along with its updated status and its relationship to the instant application.

Claim Rejections - 35 USC § 112

Claims 41-62 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 41 is vague and indefinite. Line 7 of the claim is not clear as to how the ligand molecules are being modified to make them positionable by magnetic fields. Line 16 of the claim is not clear as to how the target molecules are being modified to make them positionable by magnetic fields. The body of the claim is also inconsistent with the

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preamble of the claim. The preamble recites a method for directing reactions between ligand and target molecules but the body of the claim, specifically the last part of the claim, is directed to "allowing a reaction" between the target molecules and ligand molecules, not directing a reaction as recited in the preamble.

Claims 49 and 54 are vague. These claims recite using "biological affinity" to link the ligand molecule (claim 49) or target molecule (claim 54) to magnetic material. However, it is not clear as to how the ligand or target molecules can have biological affinity for a non-biological magnetic material.

Claims 50 and 55 are vague. While these claims define "biological affinity" as antibody-antigen affinity, lectin-hapten affinity, or receptor-ligand affinity, there is no antibody, antigen, lectin, hapten, receptor, or ligand on the magnetic material to provide for the "biological affinity" to take place.

Claim 56 is vague because it is not clear as to when the recited separation step occurs relative to the other method steps recited in claim 41.

Claim 59 is vague because the recitation of "the unit" lacks antecedent support.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chris Chin whose telephone number is (571) 272-0815. The examiner can normally be reached on Monday-Thursday from 10:30 am to 7:30 pm and on alternate Fridays.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Long Le can be reached at (571) 272-0823. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

cchin/Feb. 22, 2004

CHRISTOPHER L. CHIN PRIMARY EXAMINER GROUP 1800/69/

Christyph L. Chi